

REMARKS

Initially, Applicants would like to thank the Examiner for acknowledging Applicants' claim for foreign priority under 35 U.S.C. §119, as well as receipt of the certified priority document upon which the claim for foreign priority is based. Applicants would also like to thank the Examiner for acknowledging consideration of the documents cited in Information Disclosure Statements filed on February 28, 2005 and March 28, 2005.

In the outstanding Official Action, claims 1, 2 and 15-19 were rejected under 35 U.S.C. §103(a) over KINKEL et al. (U.S. Patent No. 5,970,723). Claims 3 and 4 were rejected under 35 U.S.C. §103(a) over KINKEL in view of WELCH (U.S. Patent No. 4,968,457). Claims 5-7 were rejected under 35 U.S.C. §103(a) over KINKEL in view of WELCH, and in further view of CARDINAL (U.S. Patent No. 3,833,052). Claims 8-9 were rejected under 35 U.S.C. §103(a) over KINKEL in view of YOSHIYA (U.S. Patent No. 6,116,033). Claims 10 and 11 were rejected under 35 U.S.C. §103(a) over KINKEL in view of YOSHIYA, and in further view of MEGRDITCHIAN (U.S. Patent No. 4,726,197). Claims 12-13 were rejected under 35 U.S.C. §103(a) over KINKEL in view of WELCH, and in further view of YOSHIYA. Claim 14 was rejected under 35 U.S.C. §103(a) over KINKEL in view of WELCH, in further view of YOSHIYA, and further in view of MEGRDITCHIAN.

Applicants traverse each of these rejections. In this regard, upon entry of the present amendment, Applicants will have amended the claims to clarify the features recited therein. Additionally, independent claims 1 and 12 will have

been amended to recite: *"wherein the first cooling device is operated by using the compressor to circulate the refrigerant and cool the interior when humidity of outdoor air is higher than predetermined humidity, and wherein the second cooling device is operated by drawing in outdoor air with low relative humidity, increasing the relative humidity through a humidifying and cooling process, and providing the cooled air into the interior to cool the interior when humidity of outdoor air is lower than predetermined humidity"*. Independent claim 15 recites features similar to the above-noted features of claims 1 and 12.

In other words, humidity of outdoor air is measured at a humidity sensor when the power of the air-conditioning system is on. The measured humidity is compared with a predetermined humidity. When humidity of the outdoor air is higher than the predetermined humidity, the first cooling device is operated by using the compressor to circulate the refrigerant and cool the interior. When humidity of the outdoor air is lower than the predetermined humidity, the second cooling device is operated by drawing in outdoor air with the low relative humidity, increasing the relative humidity and providing the cooled air into the interior.

In contrast to the above-noted features of Applicants' independent claims, KINKEL discloses, at col. 10, lines 5-10, that a "controller 170 is coupled to a sensor 172 for sensing the external environmental conditions such as the temperature and humidity and the wet bulb temperatures". Further, KINKEL discloses, at col. 11, lines 9-22, that "[w]hen cooling, controller 170 will selectively switch the unit 40 back and forth from the first configuration to the

second configuration for allowing optimal cooling efficiency while conserving electricity and water used by the evaporative cooling apparatus 118". The first configuration is depicted in FIG. 3 of KINKEL, and the second configuration is depicted in FIG. 4.

However, as described and shown, KINKEL merely discloses that the first configuration and second configuration are selectively controlled by a controller 170, but not the specific features as noted above of claims 1, 12 and 15. These teachings of KINKEL are not the features recited in Applicants' amended claims as described above.

Further, as described in the present specification, embodiments of the present application provide benefits such as a decrease in vibration, noise and heat loss. There does not appear to be any disclosure that the selective control in KINKEL is directed to any such result, and there is no motivation to modify KINKEL to obtain the above-noted features recited in claims 1, 12 and 15 for such a purpose or any other. Further, no other document applied in the outstanding Official Action, including WELCH or YOSHIYA, is asserted to disclose the above-noted features recited in claims 1, 12 and 15.

Accordingly, Applicants respectfully submit that each of claims 1, 12 and 15 is allowable over the documents applied in the Official Action, whether these documents are applied alone or in any proper combination. Applicants further submit that each of claims 2-11, 13-14 and 16-19 are allowable at least for depending, directly or indirectly, from an allowable independent claim, as well as for additional reasons related to their own recitations.

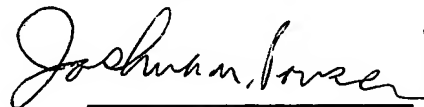
SUMMARY AND CONCLUSION

Applicants have made a sincere effort to place the present application in condition for allowance and believe that they have now done so. Applicants have pointed out novel features of the pending claims, and have contrasted the features of the submitted claims with the disclosures of the cited references. Therefore, Applicants have provided a clear evidentiary basis supporting the patentability of all claims in the present application and respectfully request an indication of the allowability of all the claims pending in the present application in due course. Accordingly, reconsideration and withdrawal of each of the rejections of claims 1-19 is respectfully requested.

The amendments to the claims which have been made in this amendment, which have not been specifically noted to overcome a rejection based upon the prior art, should be considered to have been made for a purpose unrelated to patentability, and no estoppel should be deemed to attach thereto.

Should the Examiner have any questions, please contact the undersigned at the telephone number provided below.

Respectfully Submitted,
Won Hee LEE et al.



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